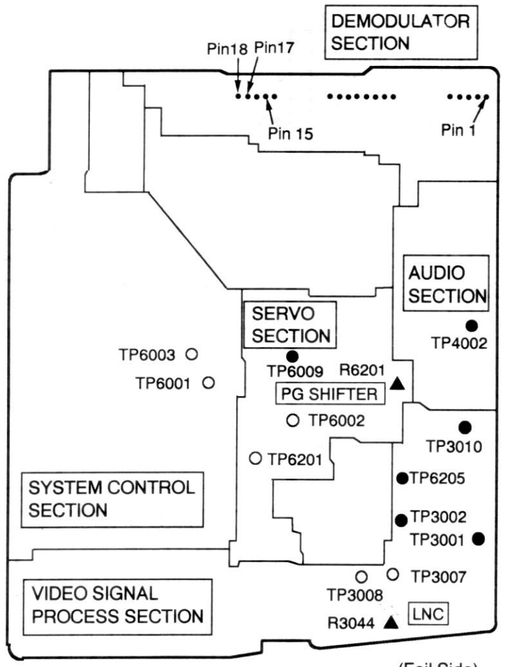
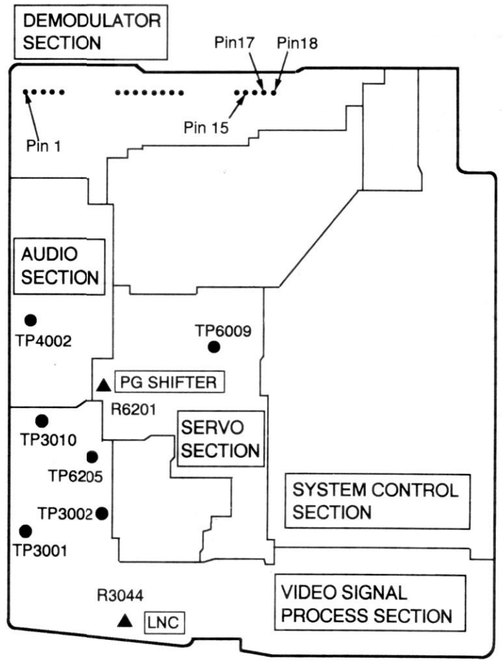
Location of Test Points and Adjustment Points

VCR Main C.B.A.



(Foil Side)



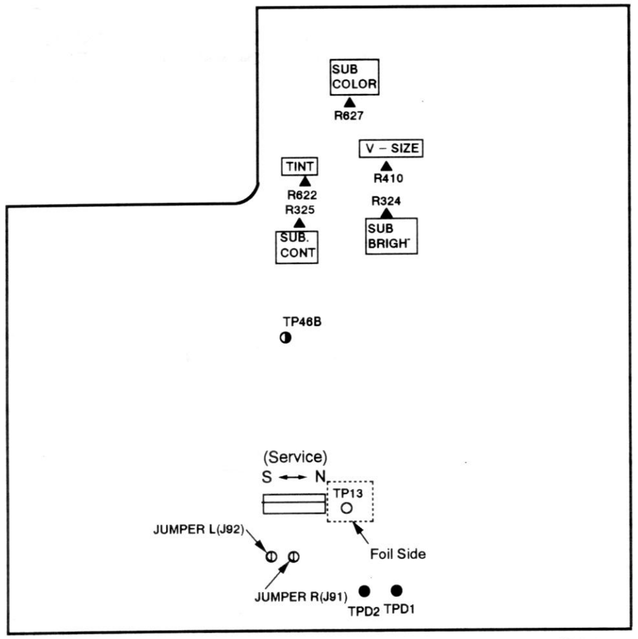
(Component Side)

In Demodulator Section the 18 pins are the UHF/VHF Tuner/TV Demodulator Ass'y.

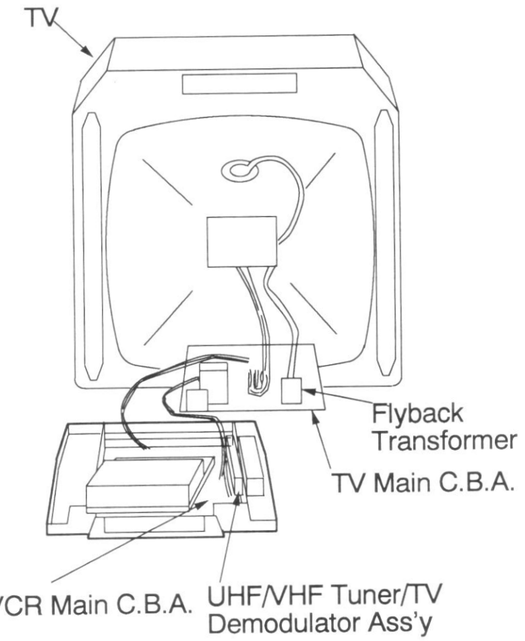
TEST POINT INFORMATION

- ● Used for the Indication of Test Point with Test Pin.
- ○ Used for the Indication of Test Point with No Test Pin.
- ◑ Used for the Indication of Test Point with Component Lead.

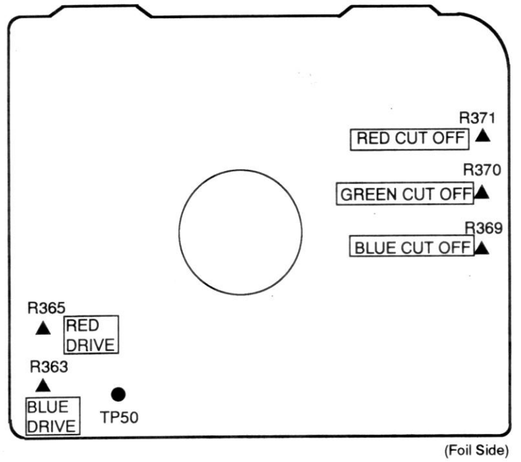
TV Main



(Component Side)



CRT C.B.A.

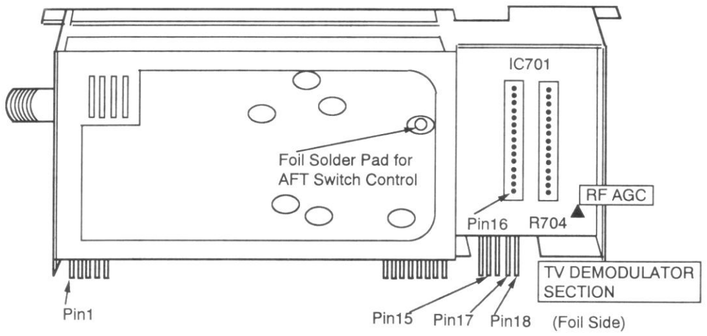


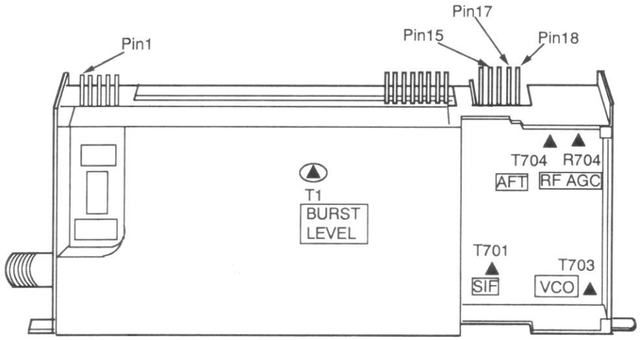
(Foil Side)

LEADED COMPONENTS LOCATION CHART FOR TV MAIN C.B.A.

TP ◑	Component Lead (Foil Side)
TP46B	C603

UHF/VHF Tuner/TV Demodulator Ass'y

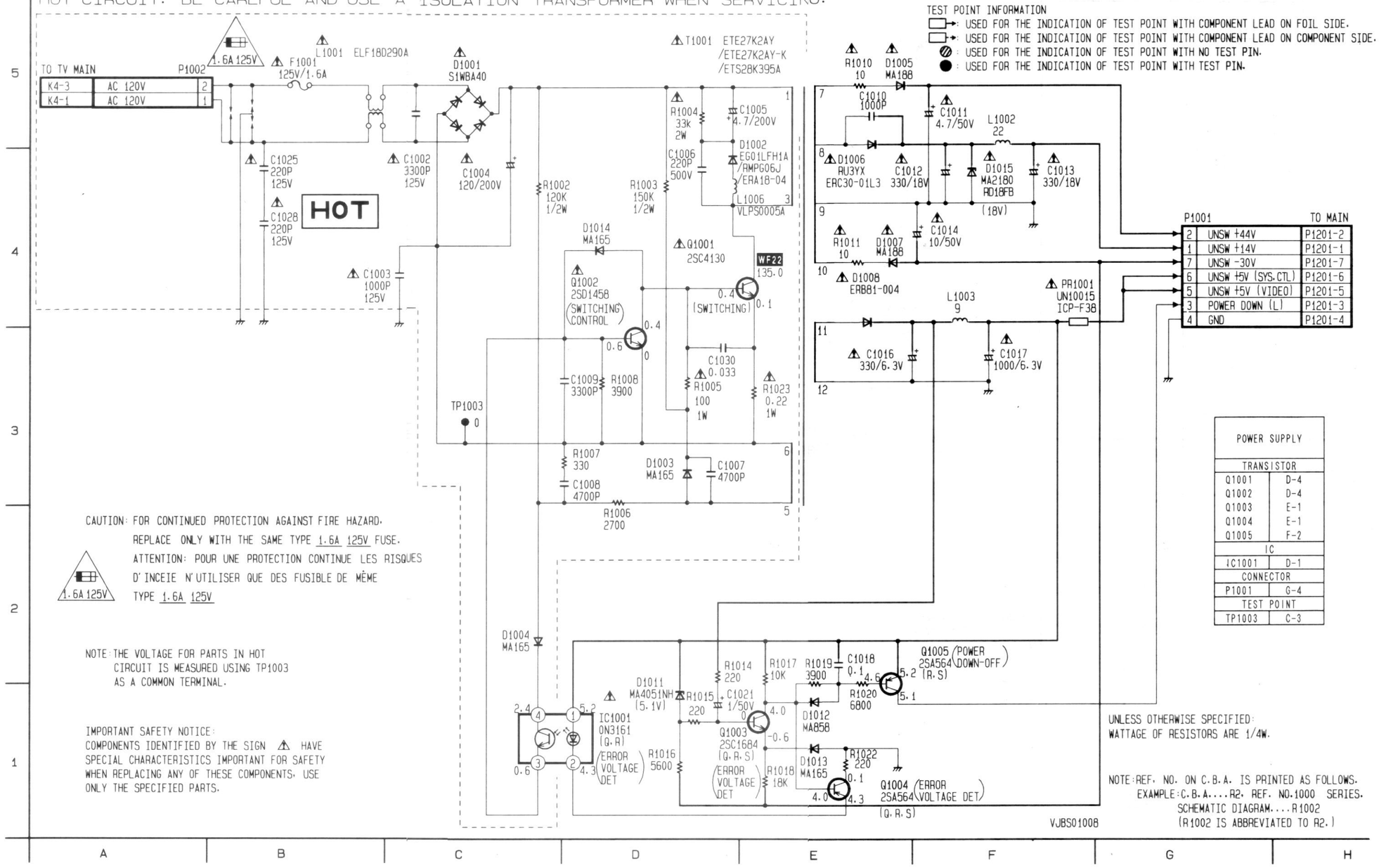




POWER SUPPLY SCHEMATIC DIAGRAM

NOTE:
1. DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.
2. MAINTAIN ORIGINAL FUNCTION AND RELIABILITY OF REPAIRED UNITS. ONLY USE ORIGINAL REPLACEMENT PARTS WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THE SERVICE MANUAL.

HOT CIRCUIT. BE CAREFUL AND USE A ISOLATION TRANSFORMER WHEN SERVICING.



POWER SUPPLY	
TRANSISTOR	
Q1001	D-4
Q1002	D-4
Q1003	E-1
Q1004	E-1
Q1005	F-2
IC	
IC1001	D-1
CONNECTOR	
P1001	G-4
TEST POINT	
TP1003	C-3

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE 1.6A 125V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D'INCEIE N'UTILISER QUE DES FUSIBLE DE MÈME TYPE 1.6A 125V

1.6A 125V

NOTE: THE VOLTAGE FOR PARTS IN HOT CIRCUIT IS MEASURED USING TP1003 AS A COMMON TERMINAL.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

UNLESS OTHERWISE SPECIFIED:
WATTAGE OF RESISTORS ARE 1/4W.

NOTE: REF. NO. ON C.B.A. IS PRINTED AS FOLLOWS.
EXAMPLE: C.B.A....R2. REF. NO.1000 SERIES.
SCHEMATIC DIAGRAM....R1002
(R1002 IS ABBREVIATED TO R2.)

SERVICE CAUTION

SERVICE PROCEDURE FOR POWER SUPPLY ASS'Y

1. CHECK VOLTAGES AT PINS OF POWER SUPPLY ASS'Y WHILE IT IS STIIL ATTACHED TO THE MAIN C. B. A. (SEE FIG-1)
2. REMOVE THE POWER SUPPLY ASS'Y FROM THE MAIN C. B. A.
3. SHORT CHECK AT TERMINAL USED FOR CONNECTING POWER SUPPLY ASS'Y ON MAIN C. B. A. (SEE FIG-2)
4. REPAIR THE MAIN C. B. A.
5. REPAIR THE POWER SUPPLY UNIT BY ITSELF, CONNECTING THE DUMMY RESISTORS. (SEE FIG-3)
   THE VOLTAGES AT PINS OF POWER SUPPLY UNIT, UNDER NORMAL CONDITIONS WITH THE DUMMY RESISTORS, ARE SHOWN IN FIG-4.

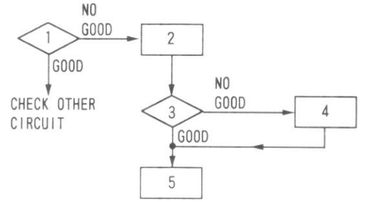


FIG-1
VOLTAGES IN STOP MODE UNDER NORMAL CONDITION

PIN NO.	VOLTAGE
1	14.5V
2	45V
3	5.1V
4	0V
5	5V
6	5V
7	-31V
8	-23V
9	-18V

NOTE:
THE VOLTAGES OF THIS TABLE ARE APPROX.

FIG-2
RESISTANCE UNDER NORMAL CONDITION

PIN NO.	RESISTANCE
1	MORE THAN 30Ω
2	MORE THAN 500Ω
3	MORE THAN 500Ω
4	----
5	MORE THAN 25Ω
6	MORE THAN 25Ω
7	MORE THAN 5KΩ
8	MORE THAN 1KΩ
9	MORE THAN 1KΩ

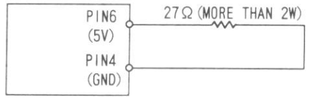
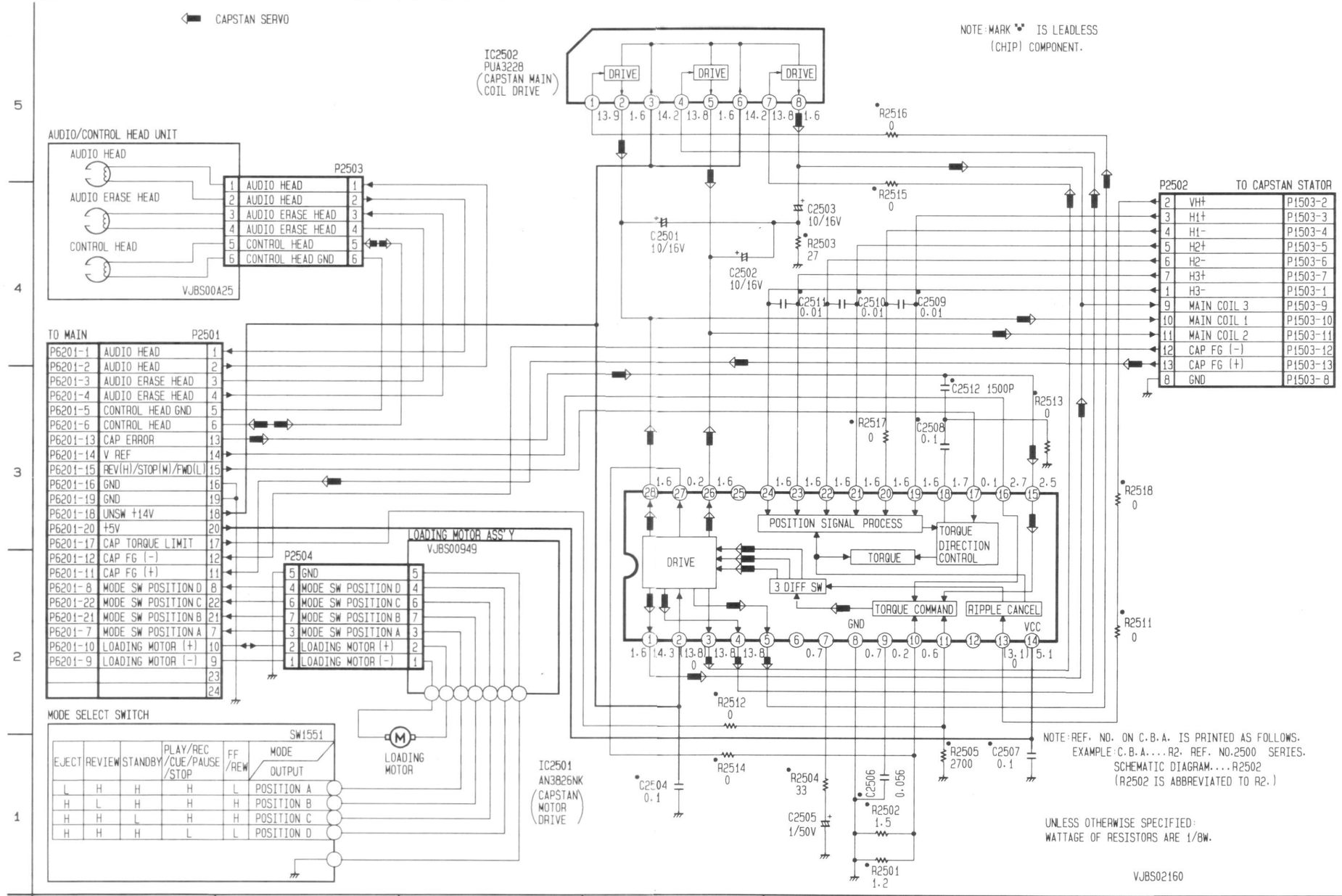
NOTE:
1. PIN 4 OF THE TERMINALS SHOULD BE GROUND IN THIS MEASUREMENT.
2. RESISTANCE OF THIS TABLE ARE APPROX.

FIG-4
VOLTAGES UNDERNORMAL CONDITION WITH DUMMY RESISTORS

PIN NO.	VOLTAGE
1	14.9V
2	45.8V
3	5.2V
4	0V
5	5.2V
6	5.2V
7	-31V
8	----
9	----

NOTE:
THE VOLTAGES OF THIS TABLE ARE APPROX.

FIG-3. POWER SUPPLY UNIT WITH DUMMY RESISTORS.



CAPSTAN MOTOR DRIVE SCHEMATIC DIAGRAM